

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10642 - Goat Anti-Creatine transporter 1 / SLC6A8 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SLC6A8, solute carrier family 6 (neurotransmitter transporter, creatine), member 8, CRT, CRTR, CT1, MGC87396, creatine transporter 1, creatine transporter SLC6A8, sodium- and chloride-dependent creatine transporter 1

**Official Symbol:** SLC6A8

**Accession Number(s):** NP\_005620.1; NP\_001136277.1; NP\_001136278.1

**Human GeneID(s):** [6535](#)

**Non-Human GeneID(s):** 102857 (mouse), 50690 (rat)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_005620.1; NP\_001136277.1; NP\_001136278.1).

### Immunogen

Peptide with sequence ASLANLTCDQLADRR, from the internal region of the protein sequence according to NP\_005620.1; NP\_001136277.1; NP\_001136278.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

**Western blot:** Approx 70kDa band observed in Mouse Heart, Kidney and Skeletal Muscle lysates (calculated MW of 71.0kDa according to Mouse NP\_598748.1). Recommended concentration: 0.1-0.3µg/ml.

**IHC:** Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Mouse, Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

EB10642 (0.1µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.

EB10642 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.